

CON. 12/16/04 ZED

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application:

1-41 (Canceled).

42(New). A camera having at least one reflection type liquid crystal device, said reflection type liquid crystal device comprising:

a thin film transistor being formed over a first substrate;

an interlayer insulating film being formed over the thin film transistor and the first substrate;

a pixel electrode comprising a metal and being formed over the interlayer insulating film; and

a reflection layer comprising a dielectric multi-layer film and being formed on the pixel electrode;

wherein convex or concave portions are formed on the interlayer insulating film, so that a surface of the pixel electrode has convex or concave portions;

wherein the dielectric multi-layer film comprises a first thin film having a first refractive index and a second thin film having a second refractive index formed on the first thin film;

wherein the second refractive index is higher than the first refractive index;

wherein the second refractive index is in a range of 1.8 to 6.0; and wherein the first refractive index has a ratio of 0.7 or less with respect to the second refractive index.

43(New). A camera device according to claim 42,

wherein a film thickness d_1 of said first thin film is so adjusted as to satisfy $400 \text{ nm} \leq d_1 \leq 500 \text{ nm}$ ($n_1 = 4n_1d_1$), where the film thickness and the refractive index of said first thin film are d_1 and n_1 , respectively; and

wherein a film thickness d_2 of said second thin film is so adjusted as to satisfy $450 \text{ nm} \leq d_2 \leq 700 \text{ nm}$ ($n_2 = 4n_2d_2$), where the film thickness and the refractive index of said second thin film are d_2 and n_2 , respectively.

44(New). A camera according to claim 43, wherein the pixel electrode comprises a material selected from the group consisting of aluminum and silver.

45(New). A camera according to claim 43, wherein the pixel electrode is formed on an interlayer insulating film in contact therewith.

46(New). A camera according to claim 43, wherein the reflection type liquid crystal device comprising: a second substrate being opposed to the first substrate; a liquid crystal material being sealed between the first and second substrates; the pixel electrode being arranged in a matrix manner over the first substrate; the thin film transistor being connected to the pixel electrode; and the reflection layer.

47(New). A camera according to claim 42, wherein the pixel electrode comprises a material selected from the group consisting of aluminum and silver.

48(New). A camera according to claim 42, wherein the pixel electrode is formed on the interlayer insulating film in contact therewith.

49(New). A camera according to claim 42, wherein the reflection type liquid crystal device comprising: a second substrate being opposed to the first substrate; a liquid crystal material being sealed between the first and second substrates; the pixel electrode being arranged in a matrix manner over the first substrates; a thin film transistor being connected to the pixel electrode; and the reflection layer.

50(New). A camera according to claim 42, wherein the camera is a digital camera.

51(New). A camera according to claim 42, wherein the camera is a digital still camera.

52(New). A personal computer having at least one reflection type liquid crystal device, said reflection type liquid crystal device comprising:

a thin film transistor being formed over a first substrate; an interlayer insulating film being formed over the thin film transistor and the first substrate;

a pixel electrode comprising a metal and being formed over the interlayer insulating film;

a reflection layer comprising a dielectric multi-layer film and being formed on the pixel electrode;

wherein convex or concave portions are formed on the interlayer insulating film, so that a

surface of the pixel electrode has convex or concave portions;

wherein the dielectric multi-layer film comprises a first thin film having a first refractive index and a second thin film having a second refractive index formed on the first thin film;

wherein the second refractive index is higher than the first refractive index; and

wherein the second refractive index is in a range of 1.8 to 6.0, and

wherein the first refractive index has a ratio of 0.7 or less with respect to the second refractive index.

53(New). A personal computer according to claim 52,

wherein a film thickness d_1 of said first thin film is so adjusted as to satisfy $400 \text{ nm} \leq .1 \leq 500 \text{ nm}$ ($.1 = 4n_1d_1$), where the film thickness and the refractive index of said first thin film are d_1 and n_1 , respectively, and a film thickness d_2 of said second thin film is so adjusted as to satisfy $450 \text{ nm} \leq .1 \leq 700 \text{ nm}$ ($.2 = 4n_2d_2$), where the film thickness and the refractive index of said second thin film are d_2 and n_2 , respectively.

54(New). A personal computer according to claim 53, wherein the pixel electrode comprises a material selected from the group consisting of aluminum and silver.

55(New). A personal computer according to claim 53, wherein the pixel electrode is formed on an interlayer insulating film in contact therewith.

56(New). A personal computer according to claim 53, wherein the reflection type liquid

crystal device comprising: a second substrate being opposed to the first substrate; a liquid crystal material being sealed between the first and second substrates; the pixel electrode being arranged in a matrix manner over the first substrate; the thin film transistor being connected to the pixel electrode; and the reflection layer.

57(New). A personal computer according to claim 52, wherein the pixel electrode comprises a material selected from the group consisting of aluminum and silver.

58(New). A personal computer according to claim 52, wherein the pixel electrode is formed on the interlayer insulating film in contact therewith.

59(New). A personal computer according to claim 52, wherein the reflection type liquid crystal device comprising: a second substrate being opposed to the first substrate; a liquid crystal material being sealed between the first and second substrates; the pixel electrode being arranged in a matrix manner over the first substrates; a thin film transistor being connected to the pixel electrode; and the reflection layer.